

TOOLING DATA STRUCTURE

ABSTRACT OF THE DISCLOSURE

5 A data structure and computer-program product for providing tool design and instructions in a dynamic manufacturing environment are provided. The data structure includes a plurality of objects for abstracting tool resources. Each object represents all changes that relate to one of a tool or a part of a tool. The instances of the objects are based on product information and are generated for associated instructions for tool usage in the
10 manufacturing environment. The product information includes information identifying configuration of the product and a definition of a functional deliverable of the product. The information identifying configuration of the product includes product option information. The functional deliverable of the product includes production line number where the object
15 applies.

